
Vermont Yankee Nuclear Decommissioning
Citizen Advisory Panel Meeting

DEC Oversight Status

December 7, 2020
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Waste Management and Prevention Division



Communications

- The ANR, VTDoH, NorthStar and Haley & Aldrich hold regular teleconferences to discuss site progress, permit status, and submittals
- The ANR, PSD and 4 Points meet monthly to review site progress and expenditures from the nuclear decommissioning and site restoration trusts.
- Quarterly NDCAP meetings
- Public comments are solicited for draft permits and corrective action plans through the Environmental Notice Board.
- Both NorthStar and the ANR maintain public information websites
- The ANR, VTDoH and PSD conduct regular site visits

Groundwater Sampling

- The annual groundwater sampling report was approved in July 2020 by the ANR
 - The results showed groundwater exceedances near a few AOCs
 - No area-wide groundwater contamination for non-radiological compounds
 - Split samples verified results
- 2020 quarterly sampling continues and was performed in November 2020 and included split samples with ATC

Groundwater Sampling

continued

- The ANR participated in a site visit on Nov. 19
 - Observed groundwater sampling by Haley & Aldrich and ATC for ongoing quarterly monitoring program
 - ATC collected samples are analyzed for VOCs, SVOCs, and metals at SGS North America, Inc. in Dayton, NJ. H&A uses Alpha Analytical in Rocky Hill, CT.
 - ATC also collected water samples for VTDoH radiological analysis
 - Toured site with NorthStar to observe current demolition status

H&A Work

- H&A has submitted a Non-Radiological Data Evaluation Report
 - This has been forwarded to the VTDoH risk assessor for evaluation
- H&A installed a groundwater interception system for the Turbine Building. The discharge permit being drafted by ANR. The proposed discharge is to the CT River through the former cooling tower water discharge system.
- Naturally occurring uranium was found in the site drinking water well at the MCL. The site water system was connected to an alternate supply well

Corrective Action Plans

- No new Corrective Action Plans were submitted during this period.
- The previous CAPs for AOCs #3, #7 and #8 as well as a general CAP were approved by the DEC and will be implemented as the demolition schedule allows.

Reviews

- ANR Wastewater Program is writing the groundwater discharge permit with input from the VTDoH
 - VTDoH developed groundwater testing criteria for ANR to use for the discharge permit
- The ANR and VTDoH are reviewing the risk assessment report; ATC has also been asked to review this report
- ANR is reviewing the Post-Demolition Sampling Plan. This details how samples will be collected from building footprints after demolition.

Ongoing Work

- Asbestos abatement continues in preparation for demolition. Much of this work has been completed as building equipment and interiors have been removed.
- ATC has not report significant anomalies during abatement observation site visits
- Pre-demolition building material characterization also is occurring. This is used to determine demolition debris disposal

Tech Support Contractor

ATC Group Services

- Continue to provide their evaluations of H&A submitted reports and workplans
 - ATC was requested to review the H&A Non-Radiological Data Evaluation report
- Continue with split sampling as requested by the DEC
- Continue with ongoing asbestos work; compare reported conditions with conditions observed during site visits and observe work practices

DEC Future Work

- Continue reviews of work plans, environmental permits, disposal documents, sample results, corrective action plans, site remediation and anything else submitted by H&A or NorthStar
- Use tech support contractor for
 - Asbestos abatement observation
 - Split sampling
 - Submittal reviews
- Continue with site visits and teleconferences to observe progress